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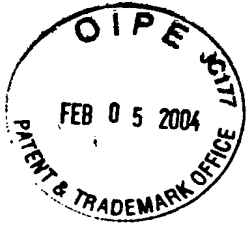
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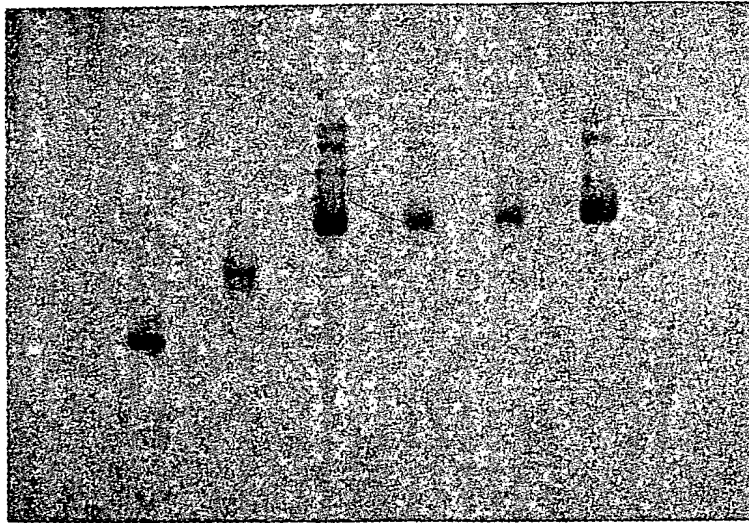
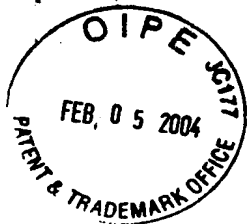


FIG. 1



1 2 3 4 5

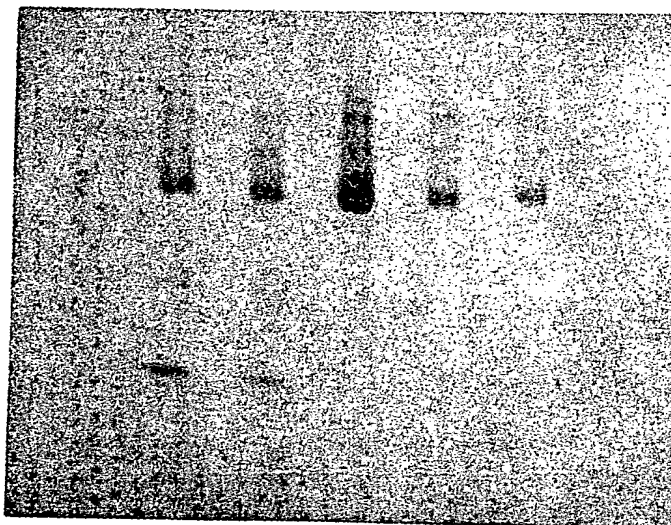


FIG. 2



1 2 3 4 5 6

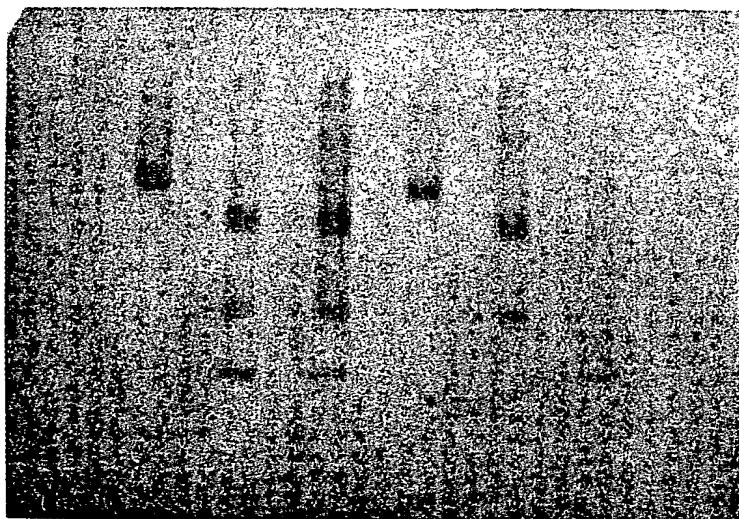


FIG. 3

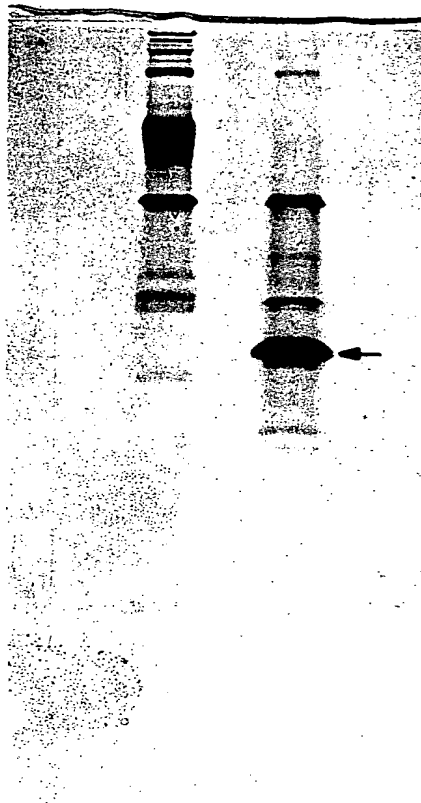
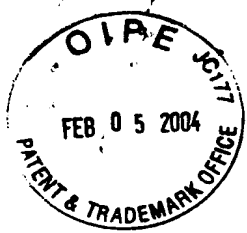


FIG. 4

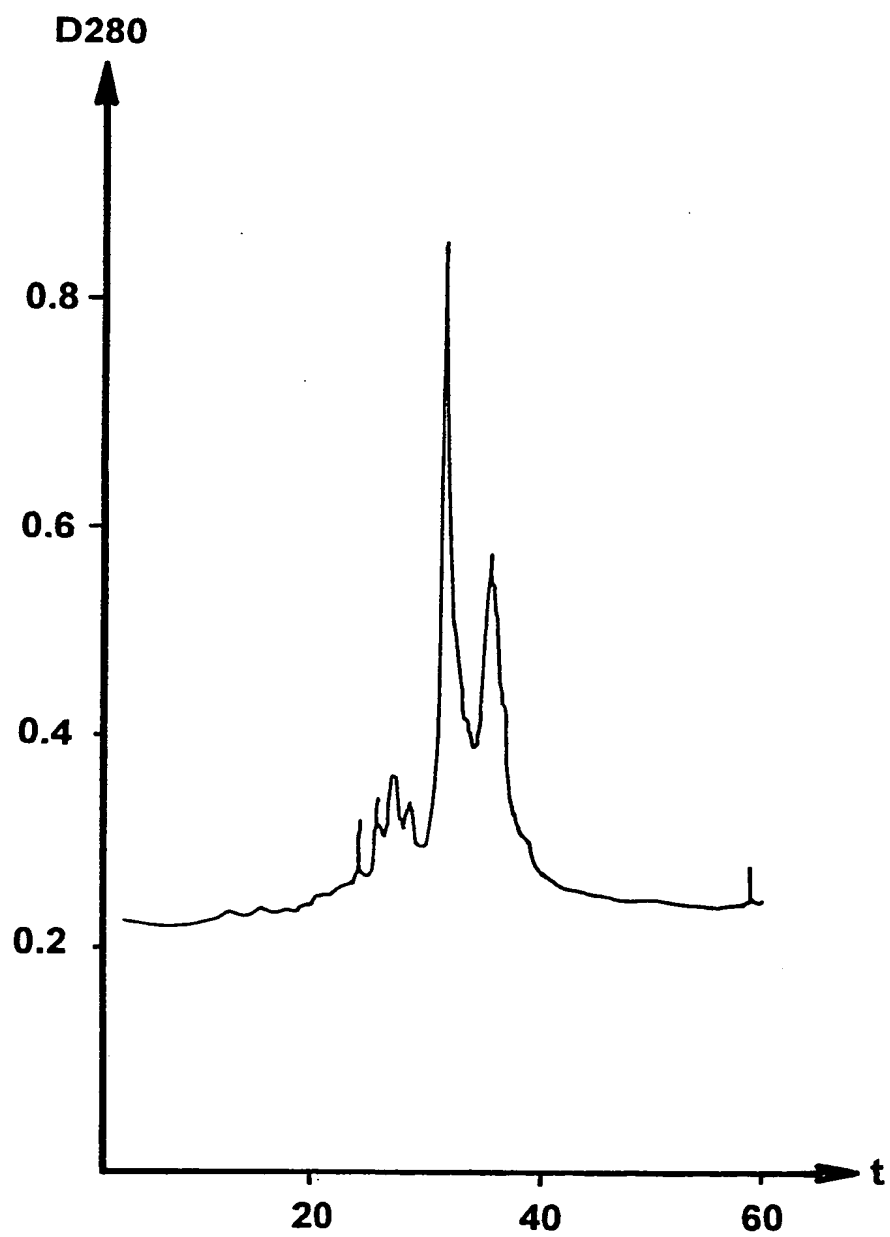


FIG. 5



FDCPmix proliferation inhibition by
INPROL: direct effect *in vitro*

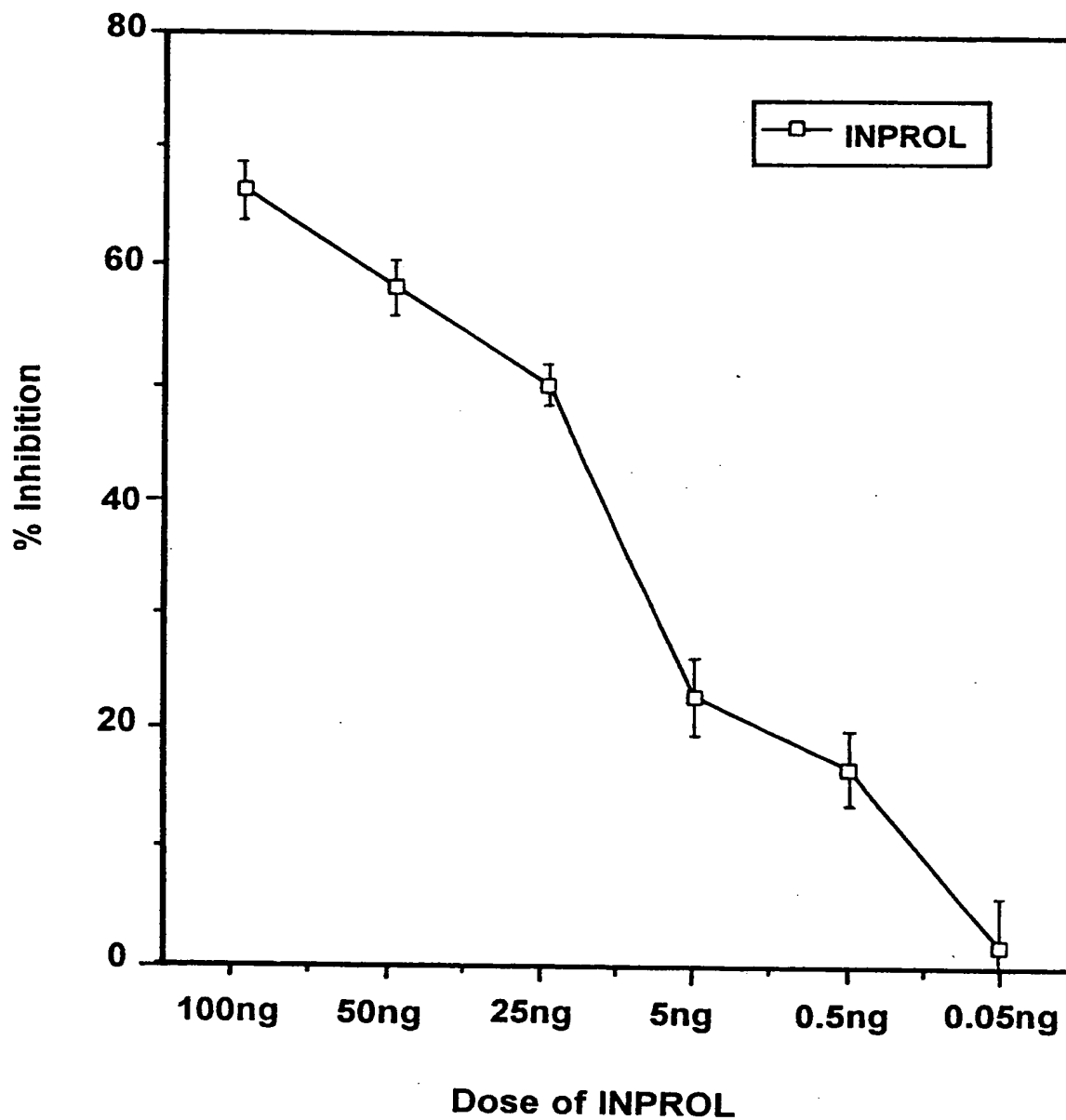


FIG. 6



INPROL affects dynamic of CFU-S proliferation inhibition

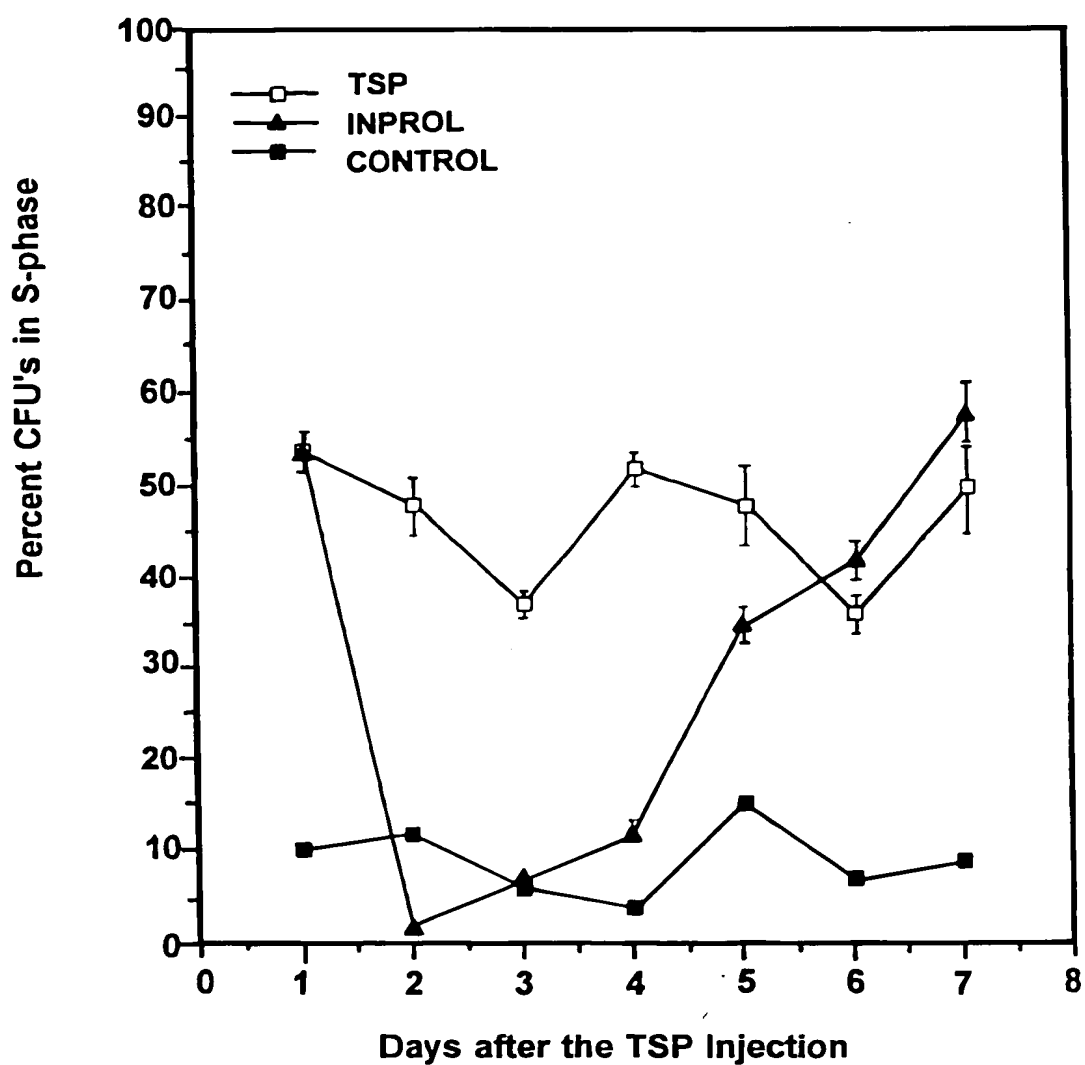
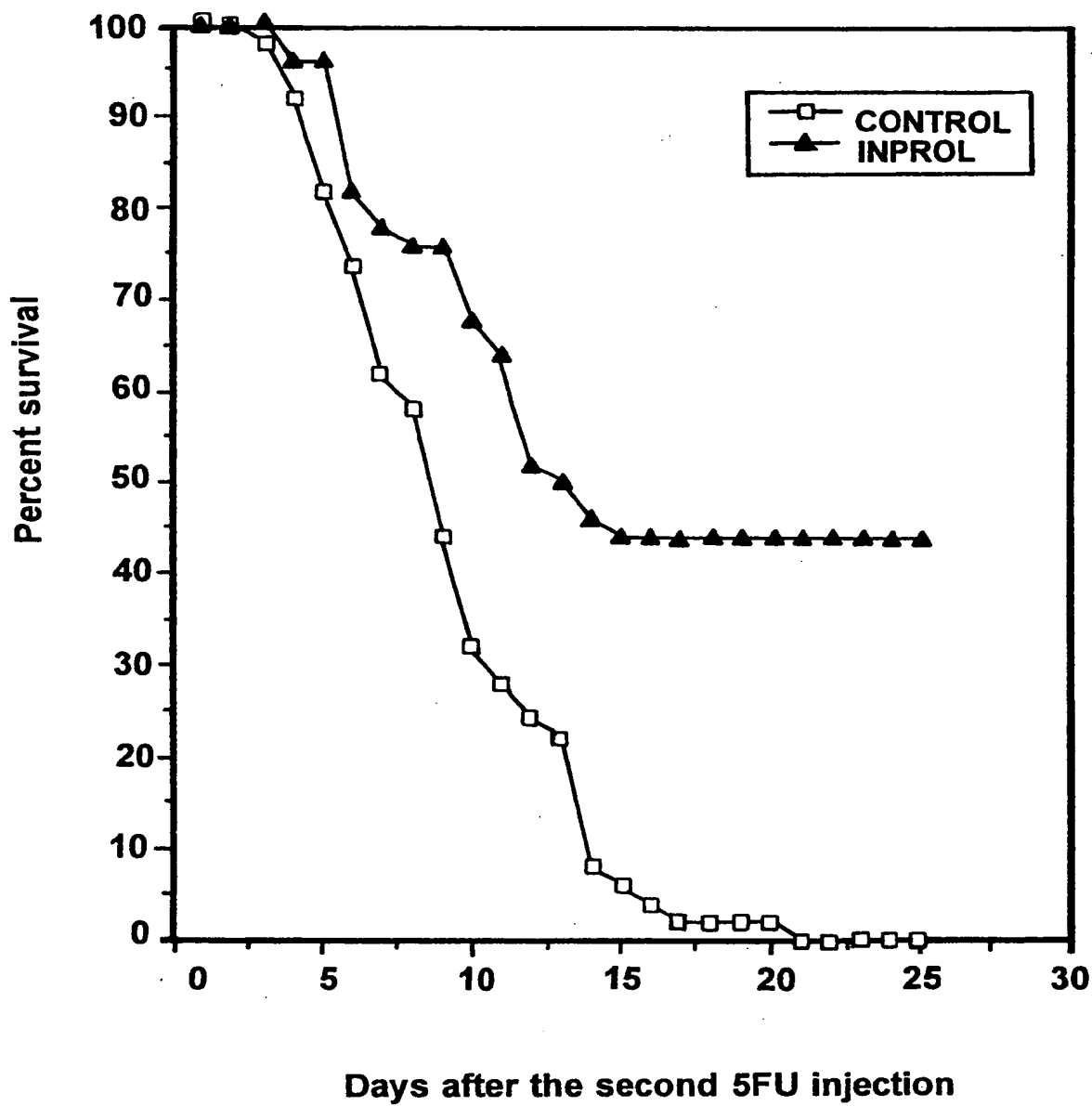


FIG. 7

FIG. 8

**INPROL injected *in vivo* protects mice
from the lethal double 5FU treatment**





**Survival of lethally irradiated
mice after treatment with INPROL**

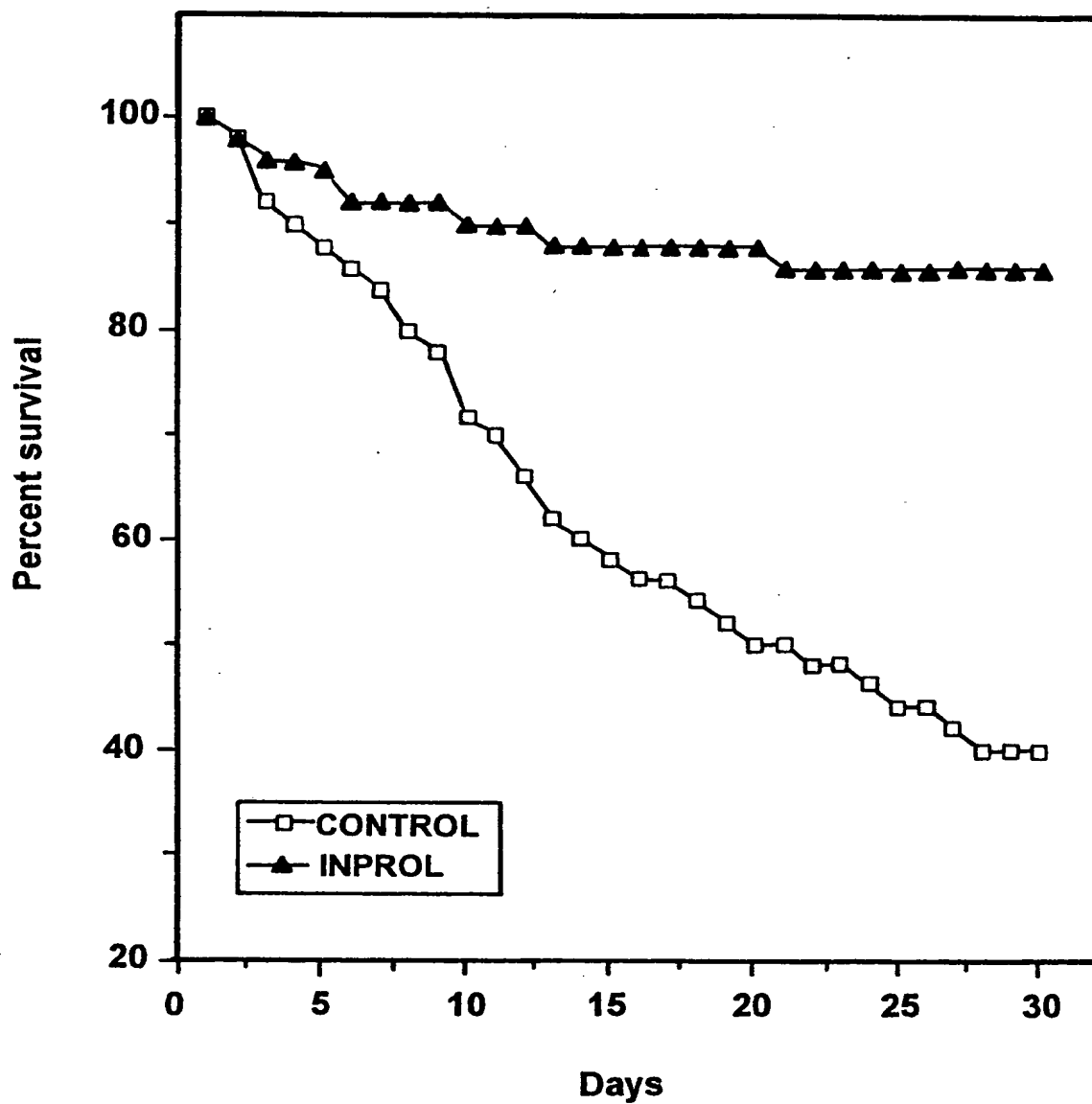


FIG. 9



**Cell regeneration in BMLTC - L1210 cultures
after combined AraC plus Inprol treatment**

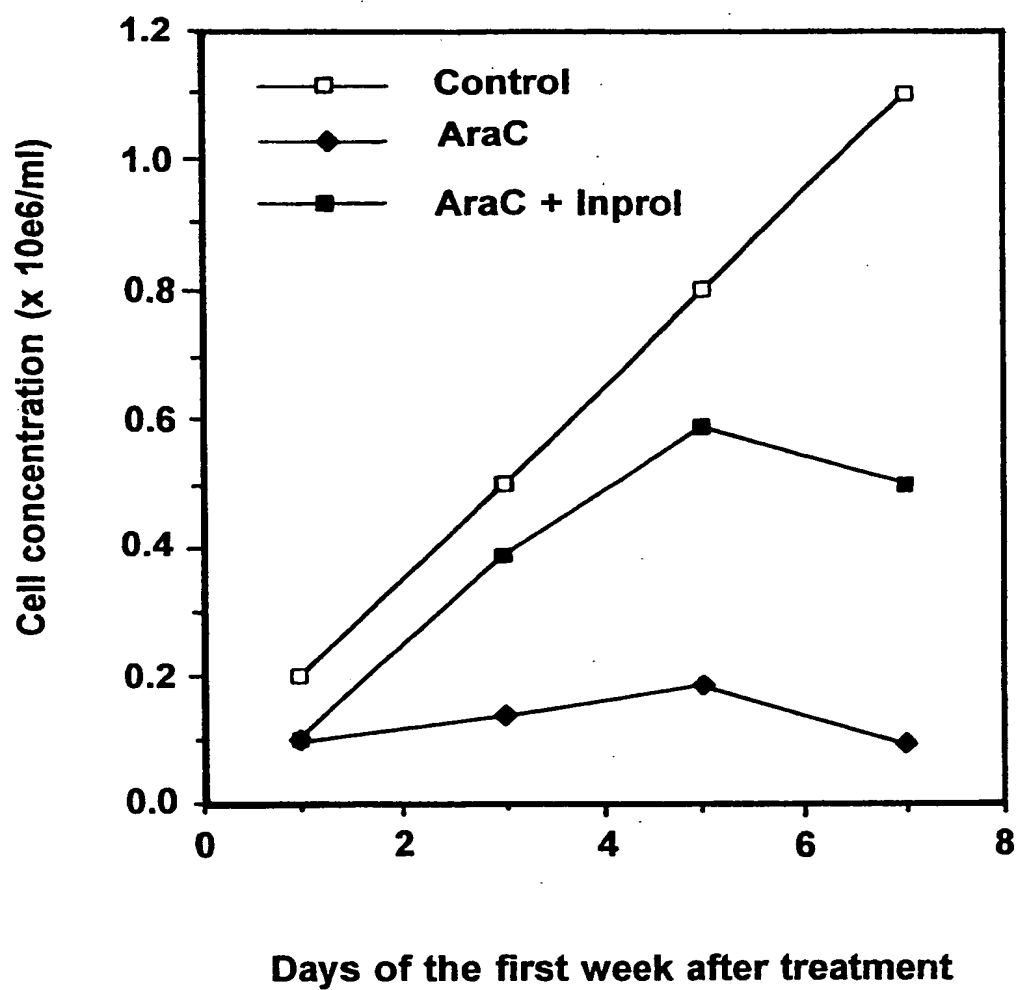


FIG. 10A



**Cell regeneration in BMLTC - L1210 cultures
after combined AraC plus Inprol treatment**

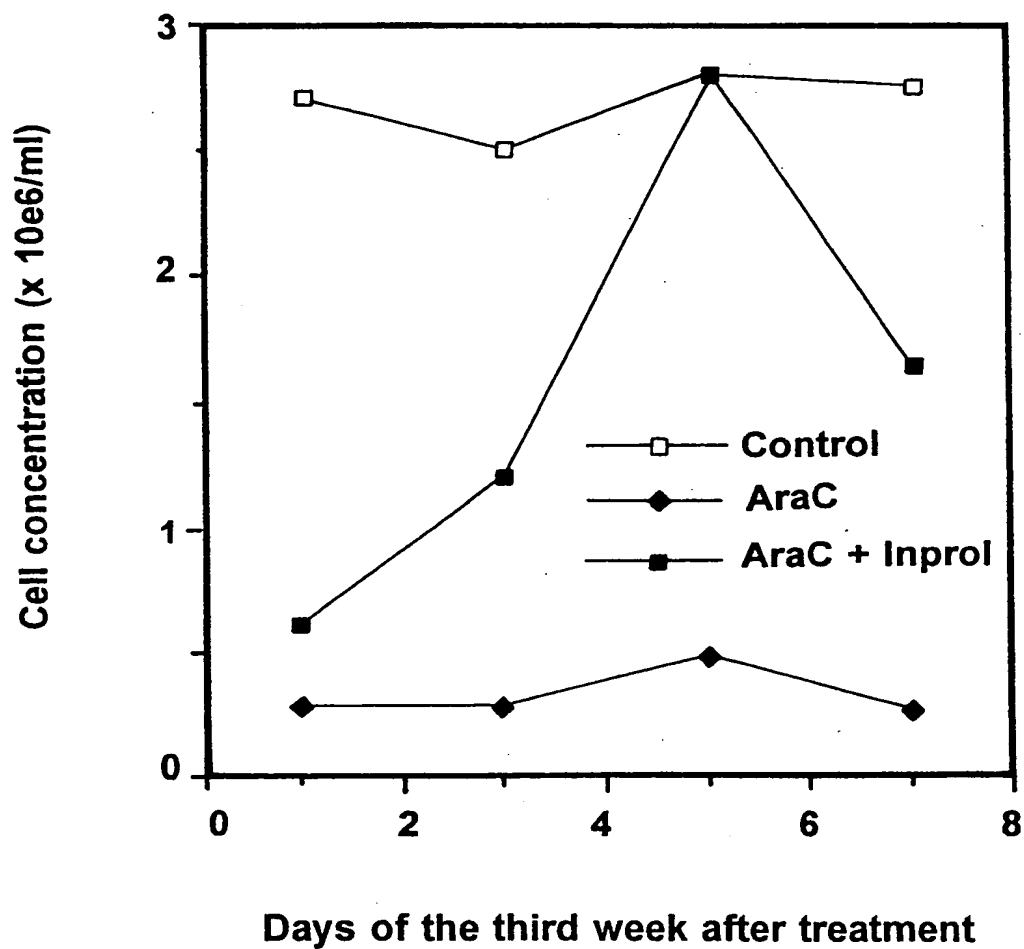


FIG. 1OB



30 days radioprotection by the bone marrow cells
after preincubation with (B) or without (A) INPROL

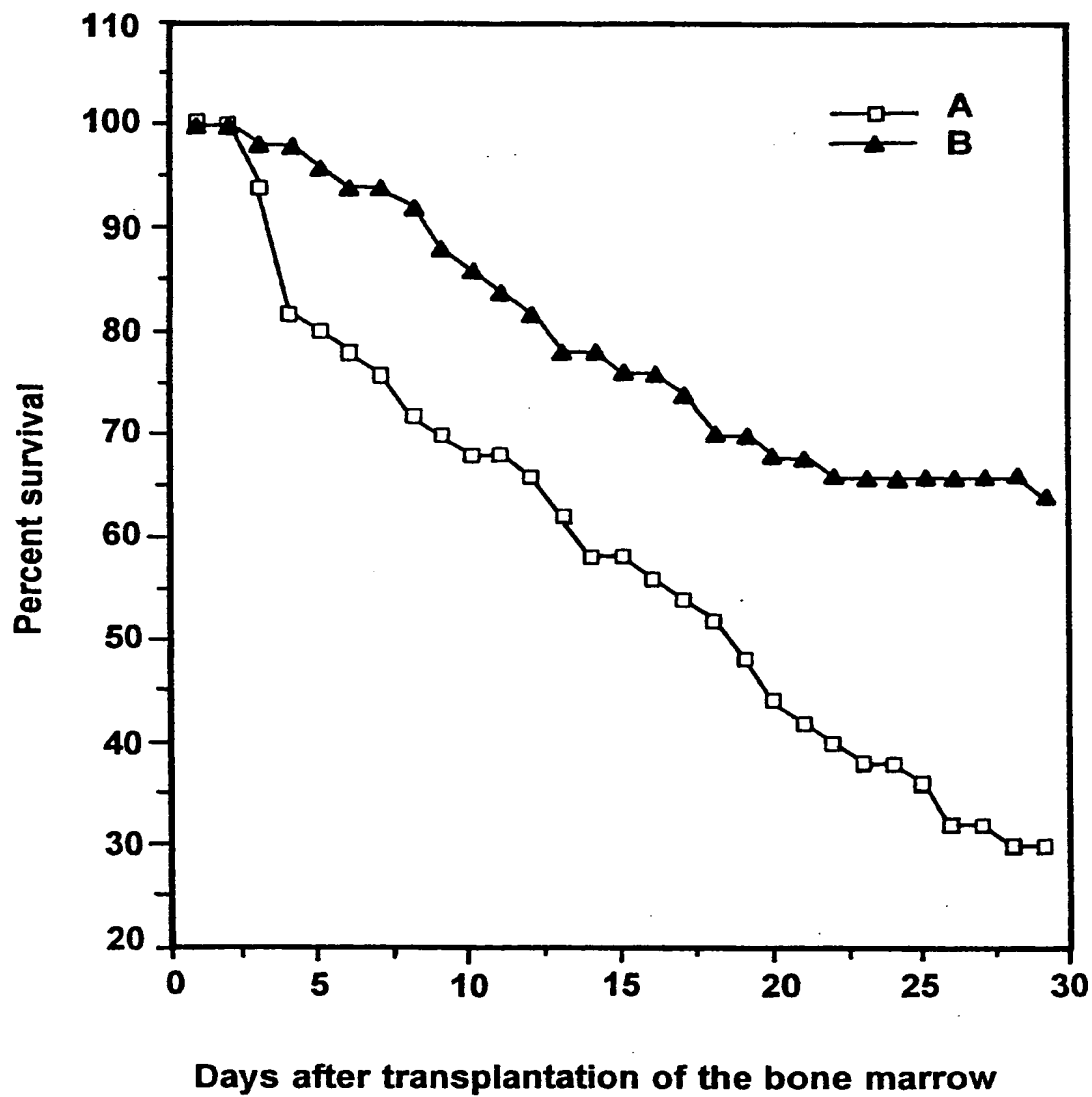


FIG. 11



**Marrow repopulating ability of BDF1
mice cells after incubation with INPROL**

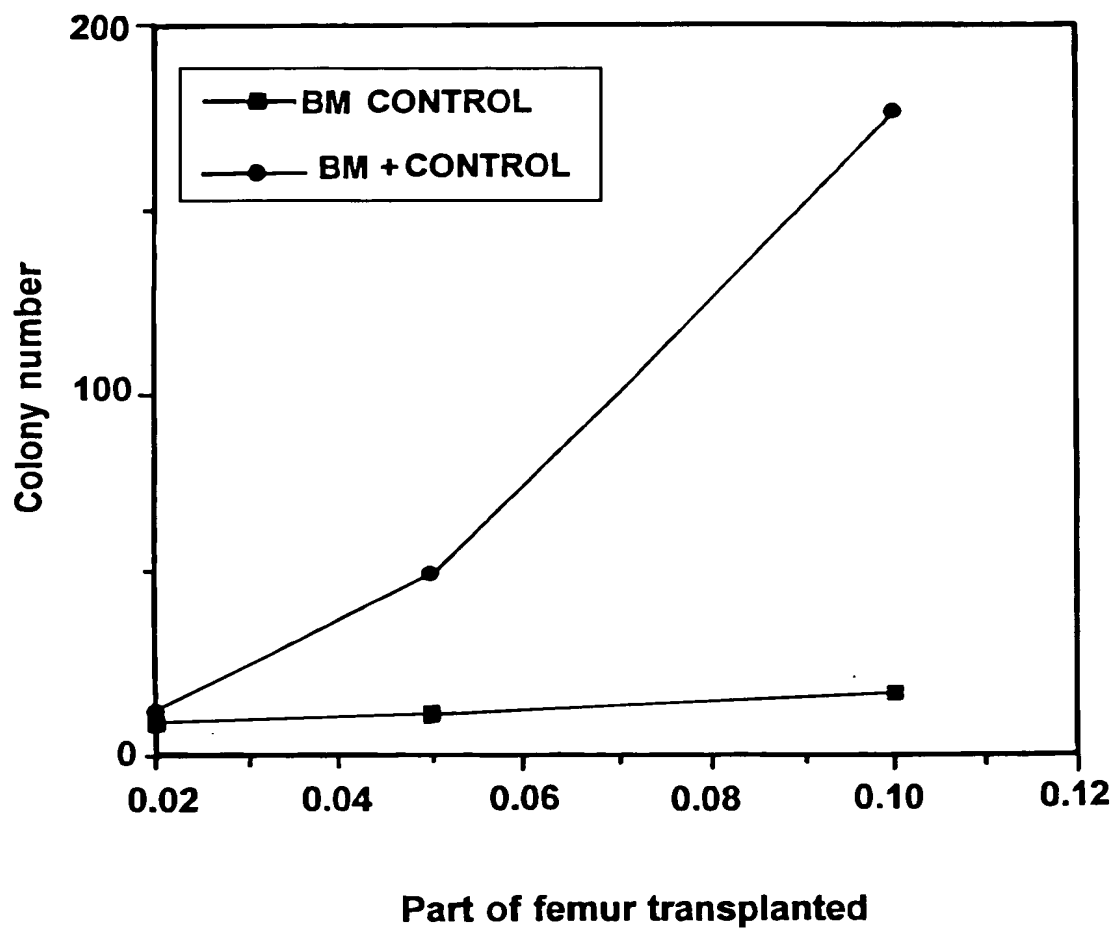
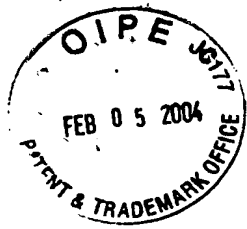


FIG. 12



**Pre-B progenitors number in Lymphoid Long Term Culture
after preincubation with or without INPROL**

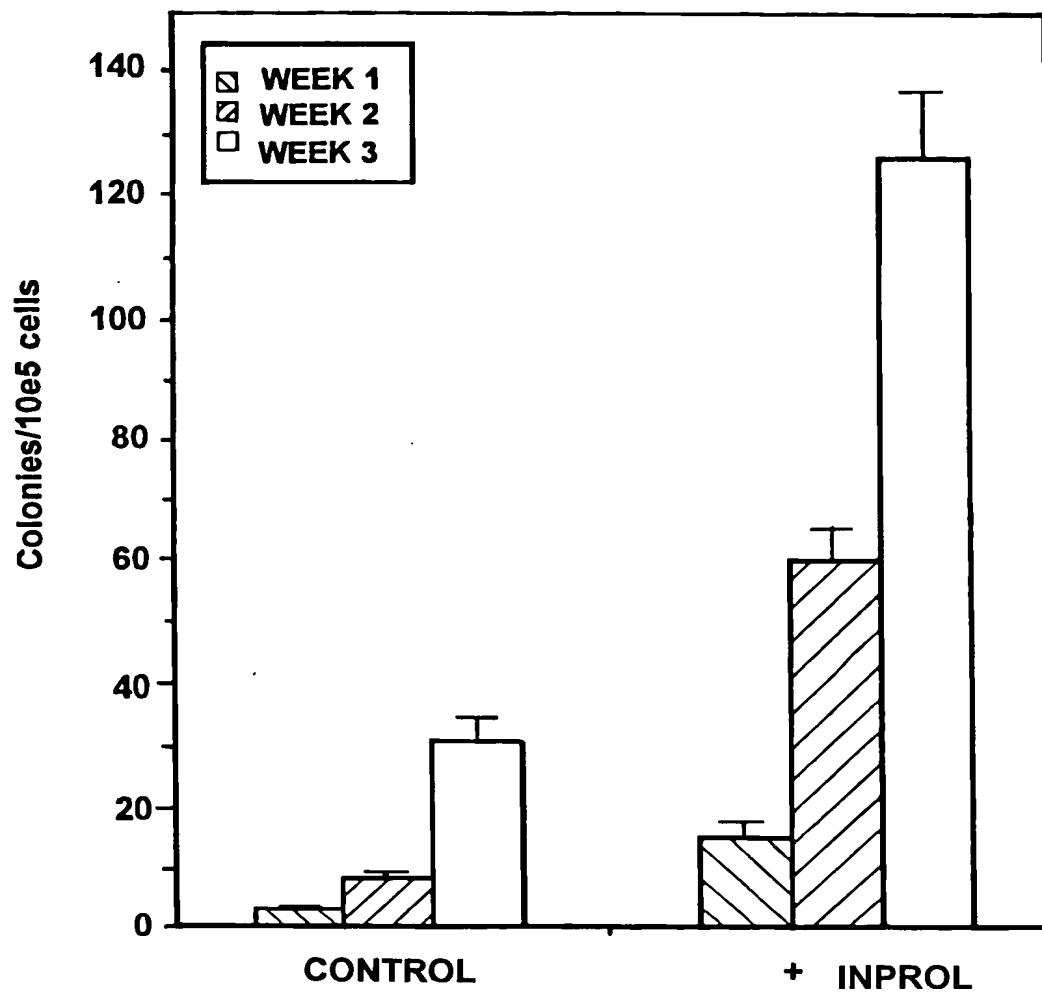


FIG. 13



INPROL improves the repopulating ability
(LTC-IC number) of leukemic peripheral blood cells

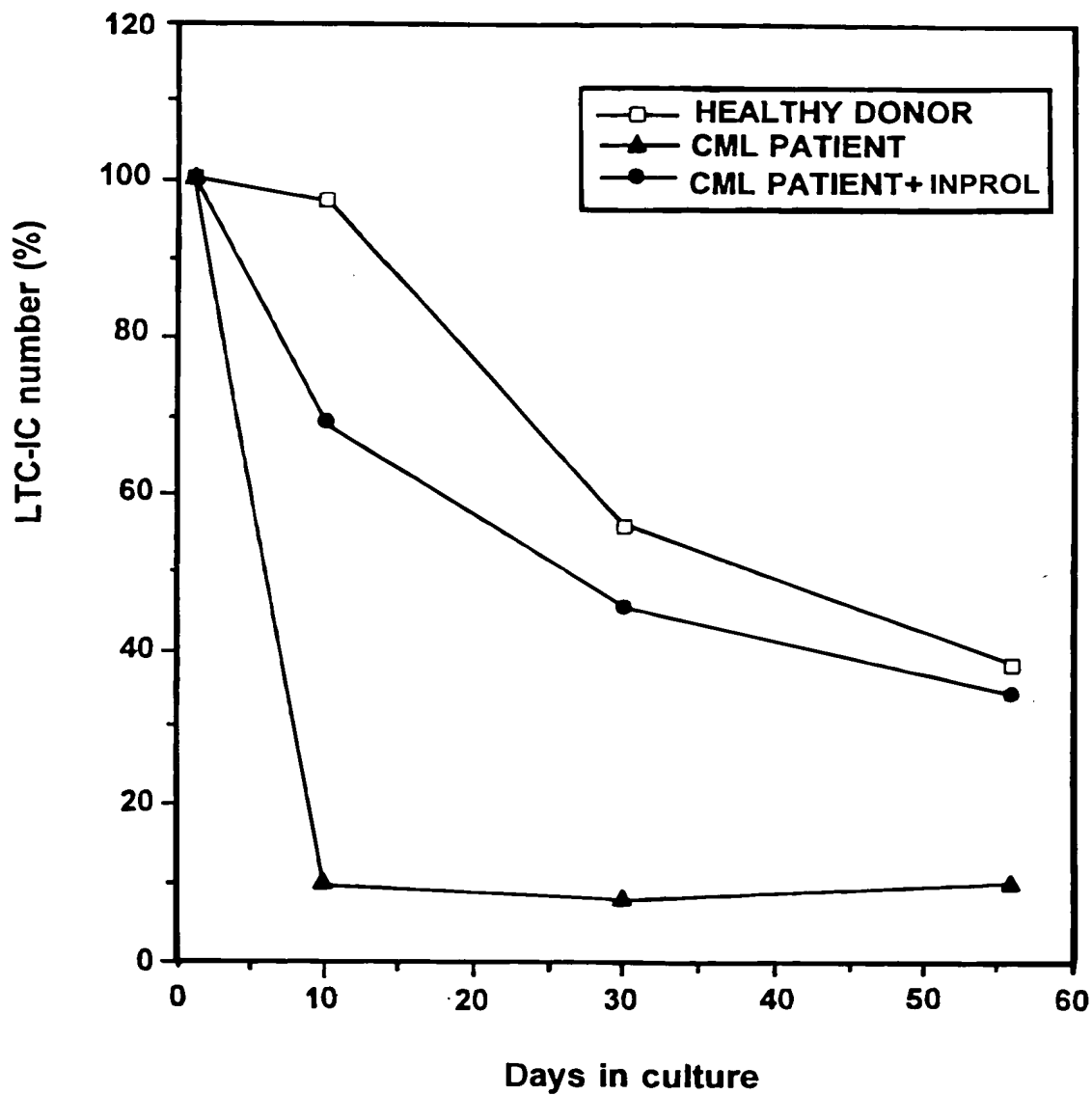
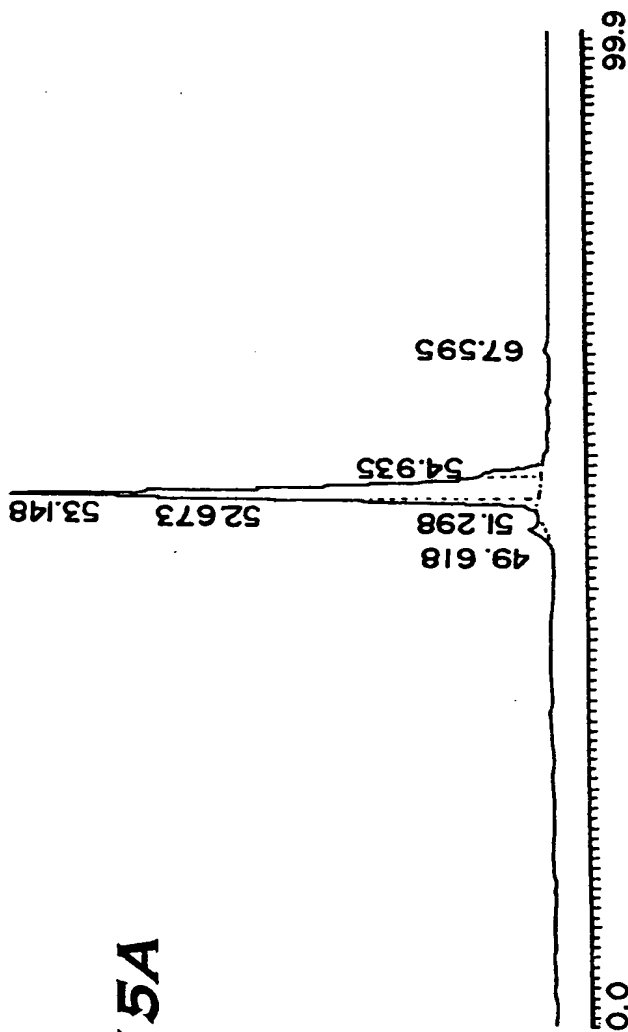


FIG. 14

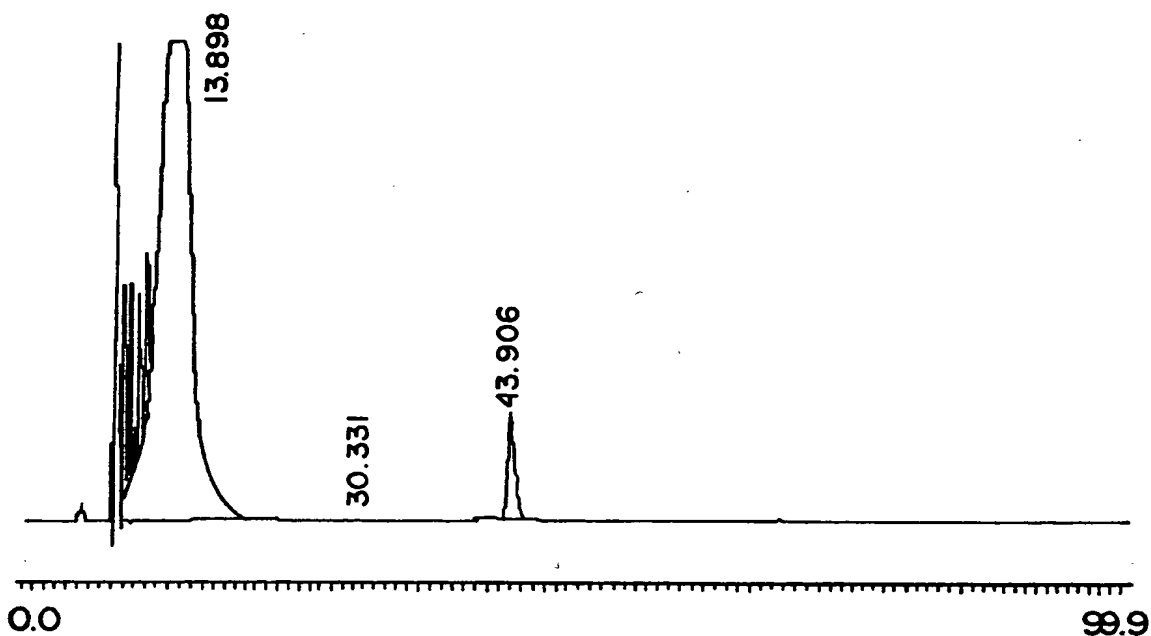
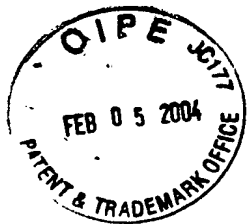


FIG. 15A



Analysis: Channel A

Peak No.	Time	Type	Height(μ Y)	Area(μ Y-sec)	Area%
1	3.126	N1	691	7578	0.041
2	3.315	N2	1011	5150	0.027
3	49.618	N	8584	349227	1.893
4	51.298	N	1456	20274	0.109
5	52.673	N1	138069	2633395	14.278
6	53.148	N2	271587	14050458	76.181
	54.935	N3	33016	1332820	7.226
	67.595	N	3270	44507	0.241
TOTAL AREA				18443409	99.996



Analysis: Channel A

Peak No.	Time	Type	Height(μ Y)	Area(μ Y-sec)	Area%
1	4.383	N1	3945	95125	0.119
2	5.080	N2	28639	330889	0.413
3	5.216	N3	49084	531867	0.665
4	7.980	N1	399424	1110511	1.389
5	8.100	Err	1203320	2882013	3.605
6	8.241	N3	443249	1506159	1.884
7	8.386	N4	481563	2185702	2.734
8	8.533	N5	412886	1826165	2.284
9	8.701	N6	321500	842122	1.053
10	8.745	N7	404661	1610380	2.014
11	8.995	N8	435765	2489721	3.114
12	9.316	N9	517790	4801831	6.007

FIG. 15B

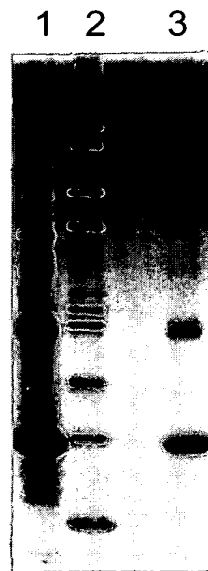


FIG. 15C



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Val	Leu	Ser	Pro	Ala	Asp	Lys	Thr	Asn	Val	Lys	Ala	Ala	Trp	Gly	Lys	Val	Gly	Ala	His	
GTG	CTG	TCI	CCT	CCC	GAC	AAG	ACC	AAC	GTC	AAG	CCC	CCC	TGG	CGT	AAG	GTC	GGC	GGC	CAC	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Ala	Gly	Glu	Tyr	Gly	Ala	Glu	Ala	Leu	Glu	Arg	Met	Phe	Leu	Ser	Phe	Pro	Thr	Thr	Lys	
CCT	GGC	GAG	TAT	GGT	GGC	GAG	CCC	CTG	GAG	AGG	ATG	TTC	CTG	CCC	TTC	CCC	ACC	ACC	AAG	
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Thr	Tyr	Phe	Pro	His	Phe	Asp	Leu	Ser	His	Gly	Ser	Ala	Gln	Val	Lys	Gly	His	Gly	Lys	
ACC	TAC	TTC	CCG	CAC	TTC	GAC	CTG	ACC	CAC	GGC	TCI	CCC	CAC	GTT	AAG	GGC	CAC	GGC	AAG	
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
Lys	Val	Ala	Asp	Ala	Leu	Thr	Asn	Ala	Val	Ala	His	Val	Asp	Asp	Met	Pro	Asn	Ala	Leu	
AAG	CTG	CCC	CAC	CCG	CTG	ACC	AAC	CCC	CTG	CCC	CAC	CTG	CAC	GAC	ATG	CCC	AAC	GGC	CTG	
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
Ser	Ala	Leu	Ser	Asp	Leu	His	Ala	His	Lys	Leu	Arg	Val	Asp	Pro	Val	Asn	Phe	Lys	Leu	
ICC	CCC	CTG	ACC	GAC	CTG	CAC	CCG	CAC	AAG	CTT	CCG	CTG	CAC	CCG	GTC	AAC	TTC	AAG	CTC	
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	
Leu	Ser	His	Cys	Leu	Leu	Val	Thr	Leu	Ala	Ala	His	Leu	Pro	Ala	Glu	Phe	Thr	Pro	Ala	
CIA	AGC	CAC	TGC	CTG	CTG	CTG	ACC	CTG	CCC	CCC	CAC	CTC	CCC	CCC	CAG	TTC	ACC	CCT	CCG	
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141
Val	His	Ala	Ser	Leu	Asp	Lys	Phe	Leu	Ala	Ser	Val	Ser	Thr	Val	Leu	Thr	Ser	Lys	Tyr	Arg
CTG	CAC	CCC	ICC	CTG	GAC	AAG	TTC	CTG	CCT	ICT	GTC	ACC	ACC	CTG	CTG	ACC	ICC	AAA	IAC	CGT

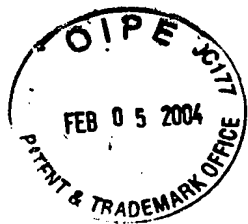


FIG. 16B

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Val His Leu Thr Pro Glu Glu Lys Ser Ala Val Thr Ala Leu Trp Gly Lys Val Asn Val
GTC CAC CTC ACT CCT GAG CAG AAC TCT GCC GTT ACT GCC CTG TGG GGT AAC GTC AAC GTC

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
Asp Glu Val Gly Glu Ala Leu Gly Arg Leu Leu Val Val Trp Pro Trp Thr Gln Arg
CAT GAA GTT GGT GAG GCC CTC GGC AGG CTG CTC GTC TAC CTT TGG ACC CAC AGG

41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
Phe Phe Glu Ser Phe Gly Asp Leu Ser Thr Pro Asp Ala Val Met Gly Asn Pro Lys Val
TTC TTT GAG TCC TTT GCG CAT CTC TCC ACT CCT CAT CCT GTT ATG GGC AAC CCT AAC GTC

61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
Lys Ala His Gly Lys Lys Val Leu Gly Ala Phe Ser Asp Gly Leu Ala His Leu Asp Asn
AAG CCT CAT GCC AAG AAA CTG CTC GGT GCC TTT ACT CAT GGC CTC GGT CAC CTC CAC AAC

81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Leu Lys Gly Thr Phe Ala Thr Leu Ser Glu Leu His Cys Asp Lys Leu His Val Asp Pro
CTC AAG GGC ACC TTT GCC ACA CTG AGT CAG CTG CAC TCT CAC AAC CTG CAC CTC CAT CCI

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120
Glu Asn Phe Arg Leu Leu Gly Asn Val Leu Val Cys Val Leu Ala His His Phe Gly Lys
CAG AAC TTC ACG CTC CTC GGC AAC GTC CTC GTC TCT CTC CTC GGC CAT CAC TTT GGC AAA

121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140
Glu Phe Thr Pro Pro Val Gln Ala Ala Tyr Gln Lys Val Val Ala Gly Val Ala Asn Ala
GAA TTC ACC CCA CCA CTG CAG GCT GCC TAT CAG AAA GTC GTC GGT GGT GTC GCT AAT GCC

141 142 143 144 145 146
Leu Ala His Lys Tyr His
CTG GCC CAC AAG TAT CAC



FIG. 16C

	10	20	30	40	50		
hHemA.p	1	V-LSPADKIN	VKAAWGKVGA	HA-GEYGAEA	LE-RMFLSFP	TTKTYFFPHF-	50
hHemB.p	1	VHLTPEEKSA	VTALWGKV--	-NVDEVGGEA	LG-RLLVVYP	WTQRRFFESFG	50
mHemA.p	1	V-LSGEDKSN	IKAAWGKIGG	HG-AEYGAEA	LE-RMFASFP	TTKTYFFPHF-	50
mHemB.p	1	VHLTDAEKAA	VSCLWGKVNS	D---EVGGEA	L-GRLLVVYP	WTQRYFDSFG	50
pHemA.p	1	V-LSAADKAN	VKAAWGKVGG	QA-GAHGAEA	LE-RMFLGFP	TTKTYFFPHF-	50
pHemB.p	1	VHLSAEEKEA	VLGLWGKVN	D---EVGGEA	L-GRLLVVYP	WTQRRFFESFG	50
hHemA.p	51	DLSH-----G	SAQVKGHGKK	VADALTN---	AVAHVDDMPN	ALS--ALSDL	100
hHemB.p	51	DLSTPDVAVMG	NPKVKAHGKK	VLGA---FSD	GLAHLNKG	TFA--TLSEL	100
mHemA.p	51	DVSH-----G	SAQVKGHGKK	VADALAS---	AAGHLDDLPG	ALS--ALSDL	100
mHemB.p	51	DLSSASAIMG	NAKVKAHGKK	V---ITAFND	GLNHLDSLKG	TFASL--SEL	100
pHemA.p	51	NLSH-----G	SDQVKAHGQK	VADALTK---	AVGHLDDLPG	ALS--ALSDL	100
pHemB.p	51	DLSNADAVMG	NPKVKAHGKK	V---LQSFSD	GLKHLNKG	TFAKL--SEL	100
hHemA.p	101	HAHKLVRVDPV	NFKLLSHCLL	VTLA AHLPAE	FTPAVHASLD	-KFLASVSTV	150
hHemB.p	101	HCDKLHVDPE	NFRLLGNVLV	CVLAHFFGKE	FTPPVQAAYQ	-KVVAGVANA	150
mHemA.p	101	HAHKLVRVDPV	NFKLLSHCLL	VTLASHHPAD	FTPAVHASLD	-KFLASVSTV	150
mHemB.p	101	HCDKLHVDPE	NFRLLGNMIV	IVLGHHLGKD	FTPAAQAAF-	QKVVAGVATA	150
pHemA.p	101	HAHKLVRVDPV	NFKLLSHCLL	VTLAAHHPPDD	FNPSVHASLD	-KFLANVSTV	150
pHemB.p	101	HCDQLHVDPE	NFRLLGNVIV	VVLARRLGHD	FNPDVQAAF-	QKVVAGVANA	150
hHemA.p	151	LTSKYR...	170	180	190	200	
hHemB.p	151	LAHKYH...	.....	.....	.....	.....	200
mHemA.p	151	LTSKYR...	.....	.....	.....	.....	200
mHemB.p	151	LAHKYH...	.....	.....	.....	.....	200
pHemA.p	151	LTSKYR...	.....	.....	.....	.....	200
pHemB.p	151	LAHKYH...	.....	.....	.....	.....	200

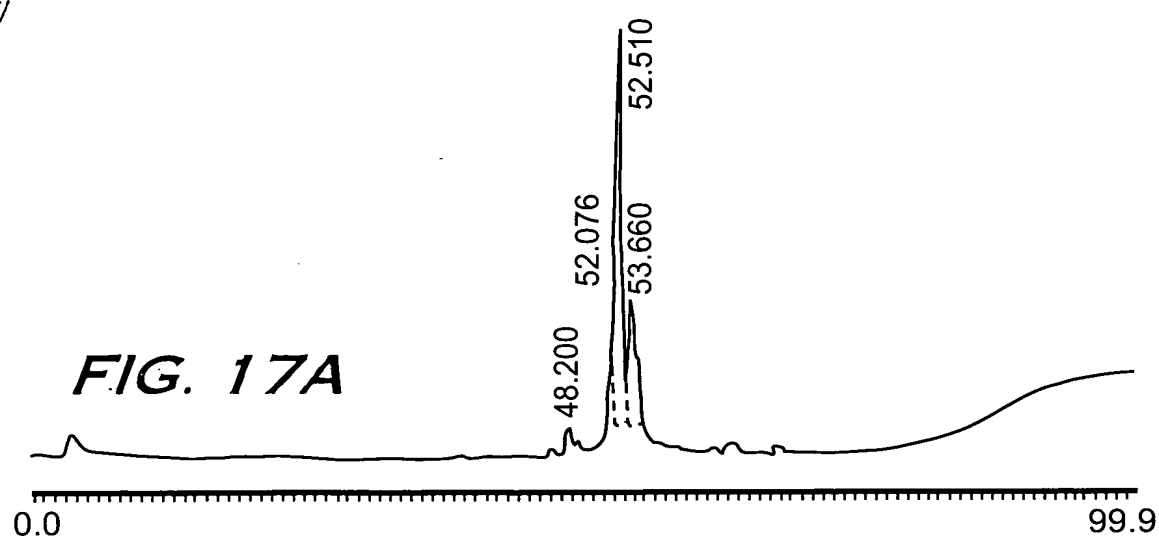


FIG. 17A

Analysis Channel A

Peak No.	Time	Type	Height(μY)	Area (μY-sec)	Area %
1	48.200	N	1677	20438	1.515
2	52.076	N1	7625	116393	8.631
3	52.510	N2	32010	881490	65.369
4	53.660	N3	10066	330153	24.483
Total Area				1348474	99.998

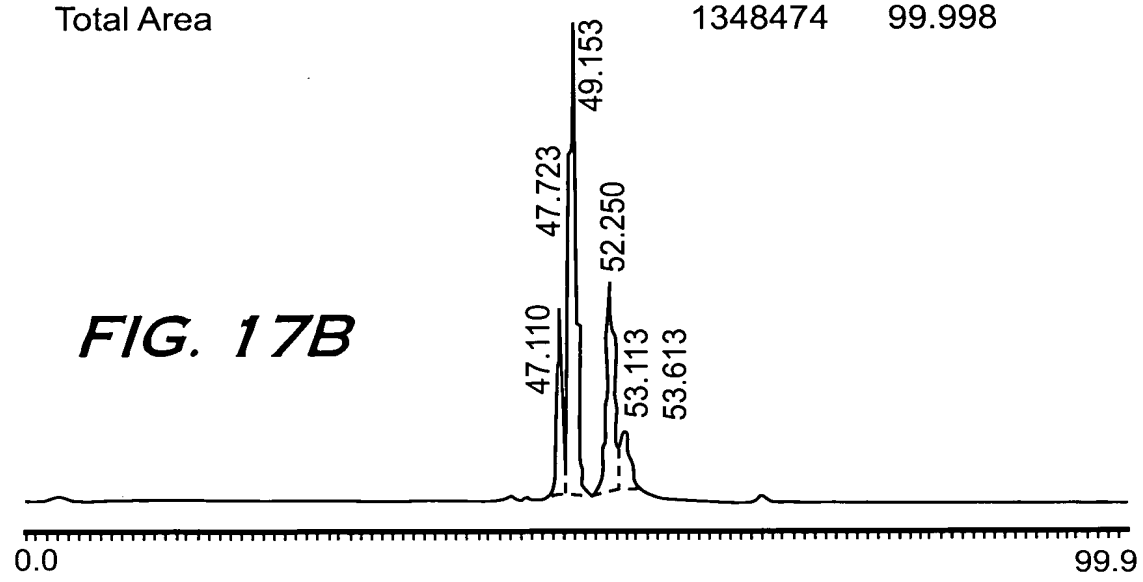


FIG. 17B

Analysis Channel A

Peak No.	Time	Type	Height(μY)	Area (μY-sec)	Area %
1	47.110	N1	1727	24840	0.204
2	47.723	N2	75067	1738939	14.321
3	49.153	N3	188795	6206410	51.114
4	52.250	N1	81476	3046748	25.092
5	52.115	N2	13195	202166	1.664
6	53.613	N3	19211	914954	7.535
	65.753	N	818	8066	0.066
Total Area				12142123	99.996

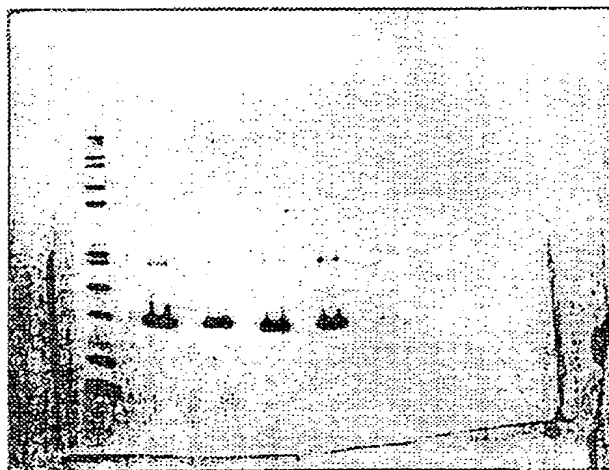


FIG. 18

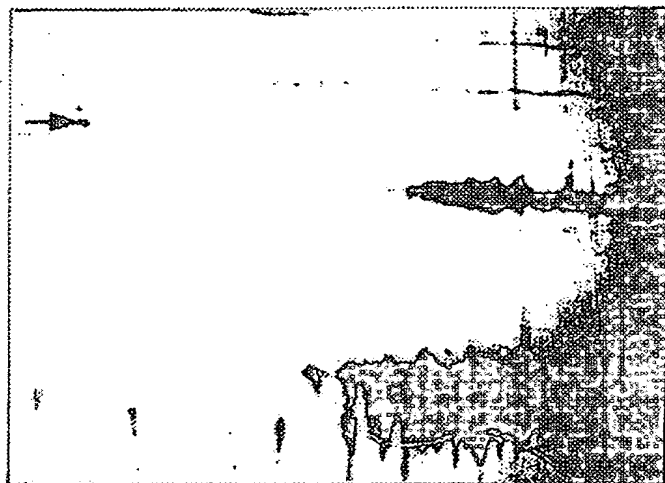


FIG. 19A

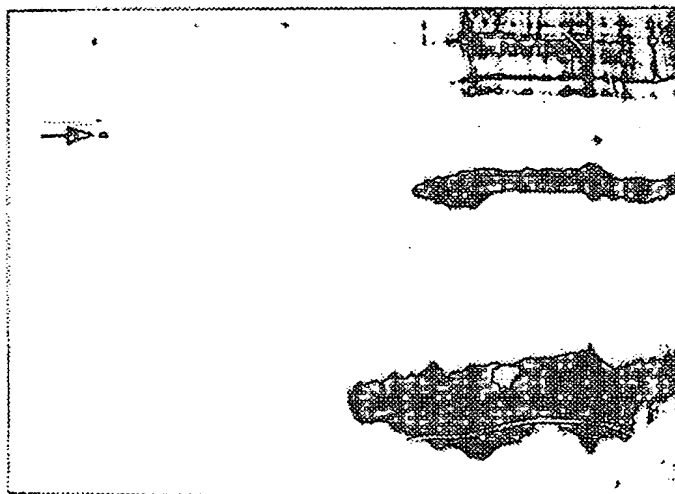


FIG. 19B

FIG. 20

Comparison of Inprol and Hemoglobin Chains in FDPcmix Assay

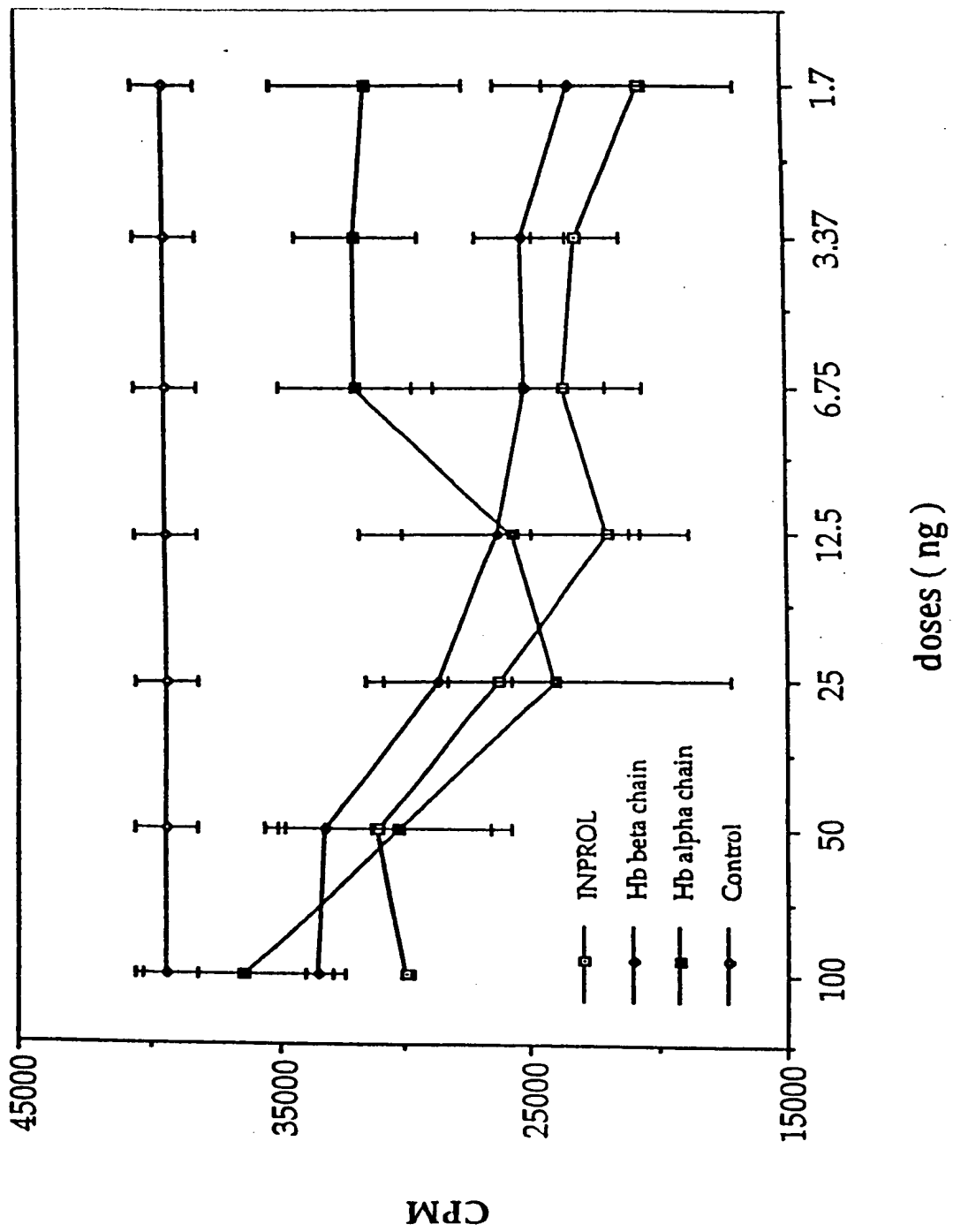
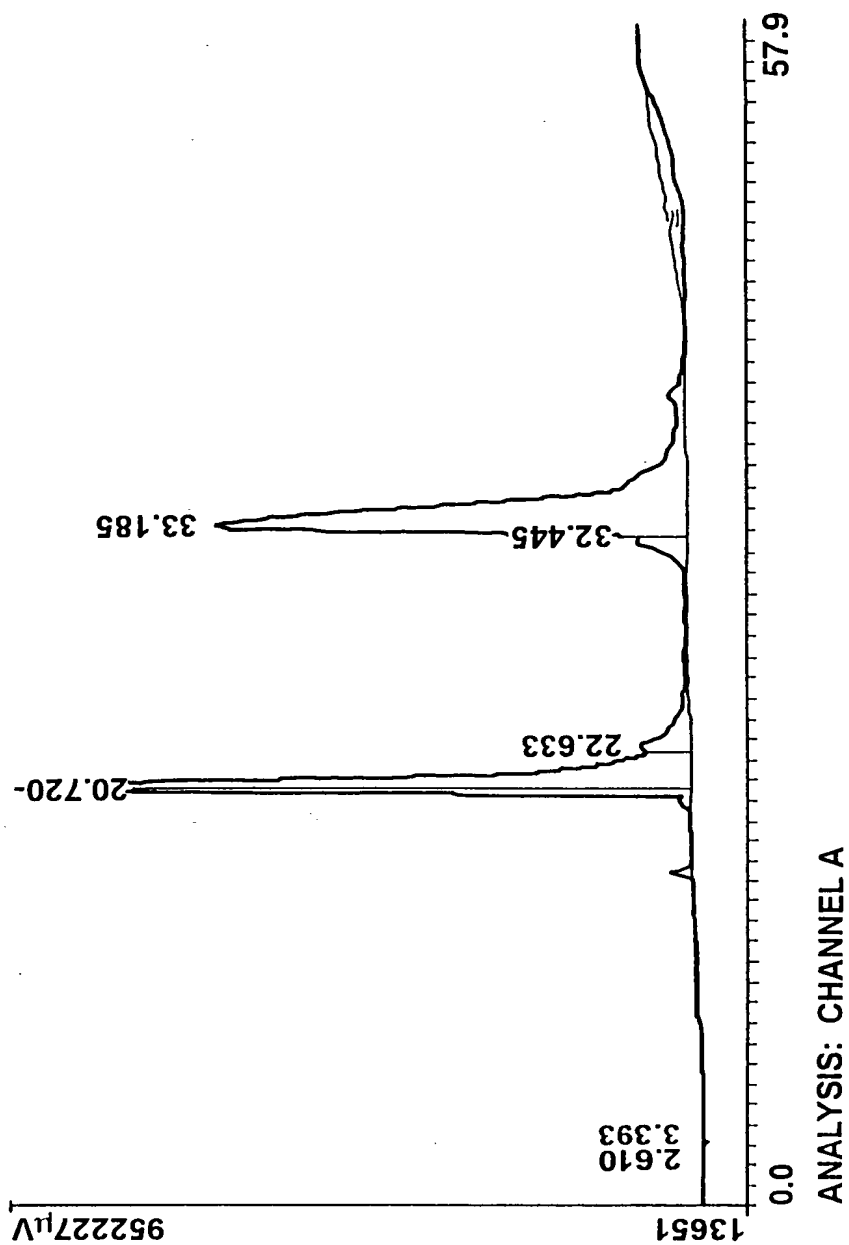




FIG. 21



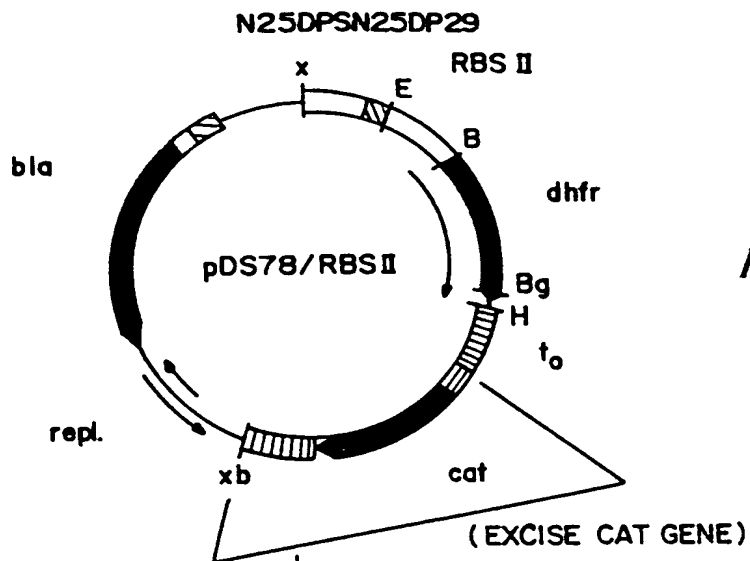


FIG. 22A

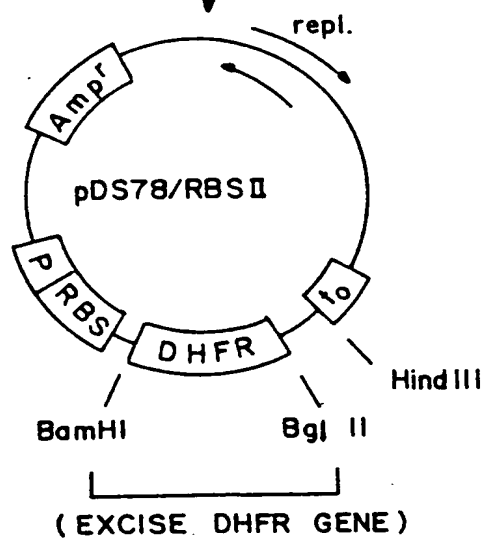


FIG. 22B

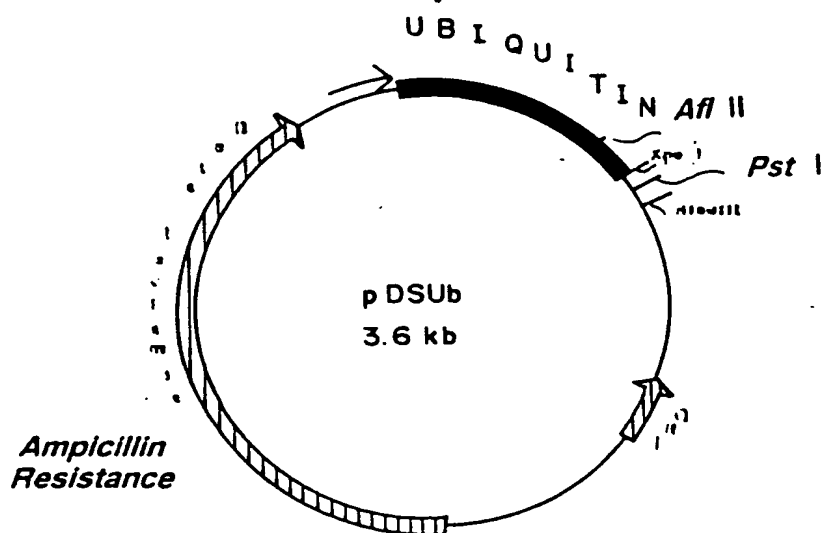


FIG. 22C

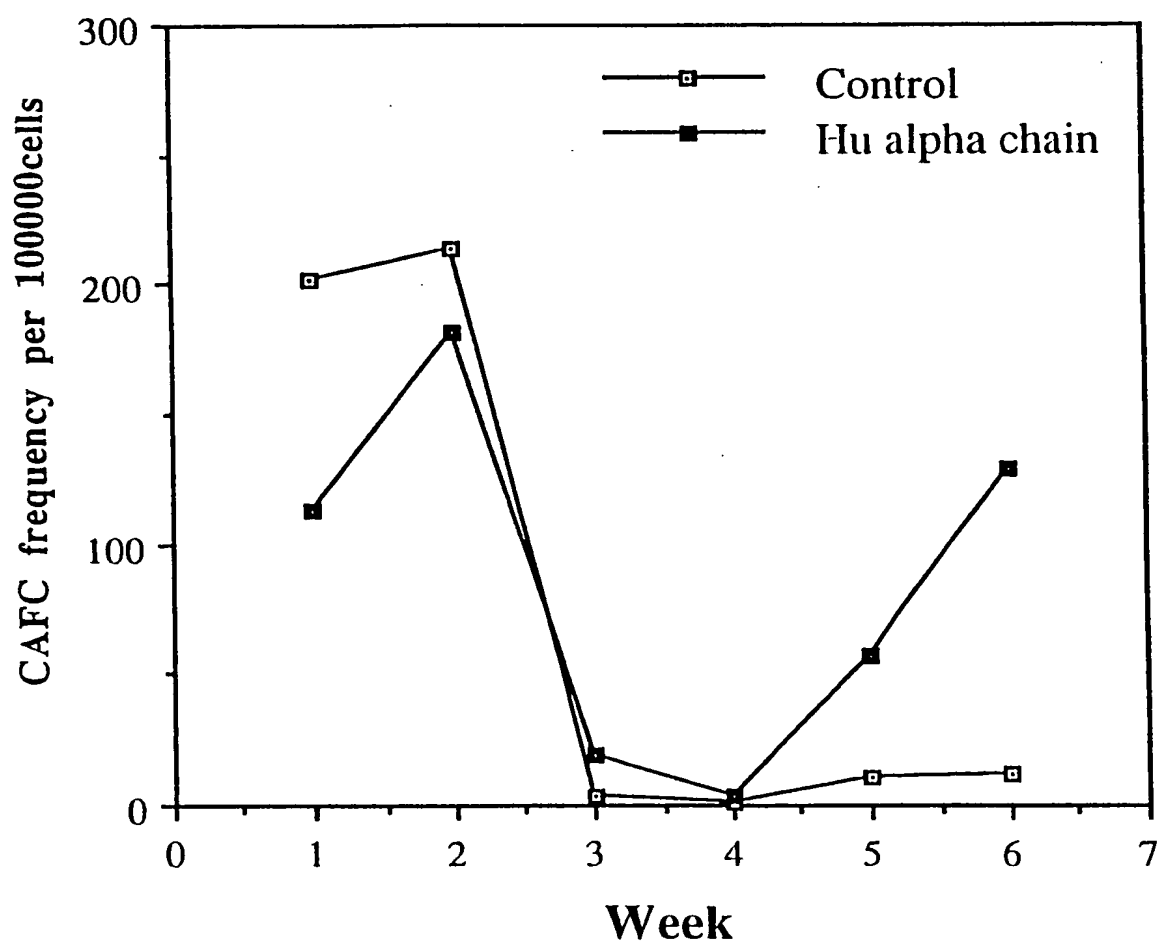


FIG. 23